

**Commonwealth of Kentucky
Division for Air Quality**

REVISED PERMIT APPLICATION SUMMARY FORM

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GENERAL INFORMATION:

Name:	Heaven Hill Distilleries, Inc.
Address:	1064 Loretto Road, Bardstown, Kentucky 40004
Date application received:	June 11, 2008
SIC/Source description:	2085
Source ID	21-179-00005
Agency Interest:	3255
Activity:	APE20080002
Permit:	F-08-025

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
___Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
___Significant	<input type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input checked="" type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential Emissions (tpy)
PM/PM ₁₀	4.2/1.4	8.52
SO ₂	0.22	0.22
NO _x	36.79	36.75
CO	30.91	36.87
VOC	18.09+1457.71(fugitive)	129.39

SOURCE DESCRIPTION:

Heaven Hill Distilleries, Inc. applied to the Kentucky Division for Air Quality on June 11, 2008, to renew their permit in Bardstown, KY. The source currently holds operating permit (F-03-024R1) for their whiskey processing and bottling plant. The source is planning to construct a 7225 square foot tank room to house eight additional 14,000 gallon, stainless steel processing/bottling tanks. The facility proposes to replace the current barrel dumping system with a four station vacuum evacuation system with integrated water rinse. The existing dump room tanks will be relocated and one additional dump room tank will be added. Emission point #12 Mixing/Processing Tanks in the draft permit, has been renumbered as Emission Point #13. Barrel Filling Equipment constructed in 2005, is now Emission Point #12. The unit which was erroneously left out in the renewal application has now been added to the permit, and to match the source's emission point descriptions.

At this facility, tankers of distillate are unloaded into cistern room storage tanks where the proof (alcohol content) of the liquid is adjusted using de-ionized water. The liquid is then placed in barrels and transported to warehouses for aging. The vacuum system which consists of automated barrel handling conveyors and four station vacuum evacuation unit will remove the aged whiskey from the barrel, via a wand, rinse the interior of the barrel with water; then remove the rinse water. The whiskey and rinse water are pumped to dump room tanks where the weight and proof of the product is gauged. The gauged volume of whiskey is then pumped to storage or processing tanks. Inside the processing area, the whiskey proof may be adjusted again before the product is filtered and pumped to bottling. Finally, the product is labeled and packaged for storage and shipping.

EMISSION AND OPERATING CAPS DESCRIPTION:

To preclude the applicability of 401 KAR 52:020, Volatile Organic Compounds (VOC) and Sulfur Dioxide (SO₂) emission shall not exceed 90 tons in any consecutive 12 months.